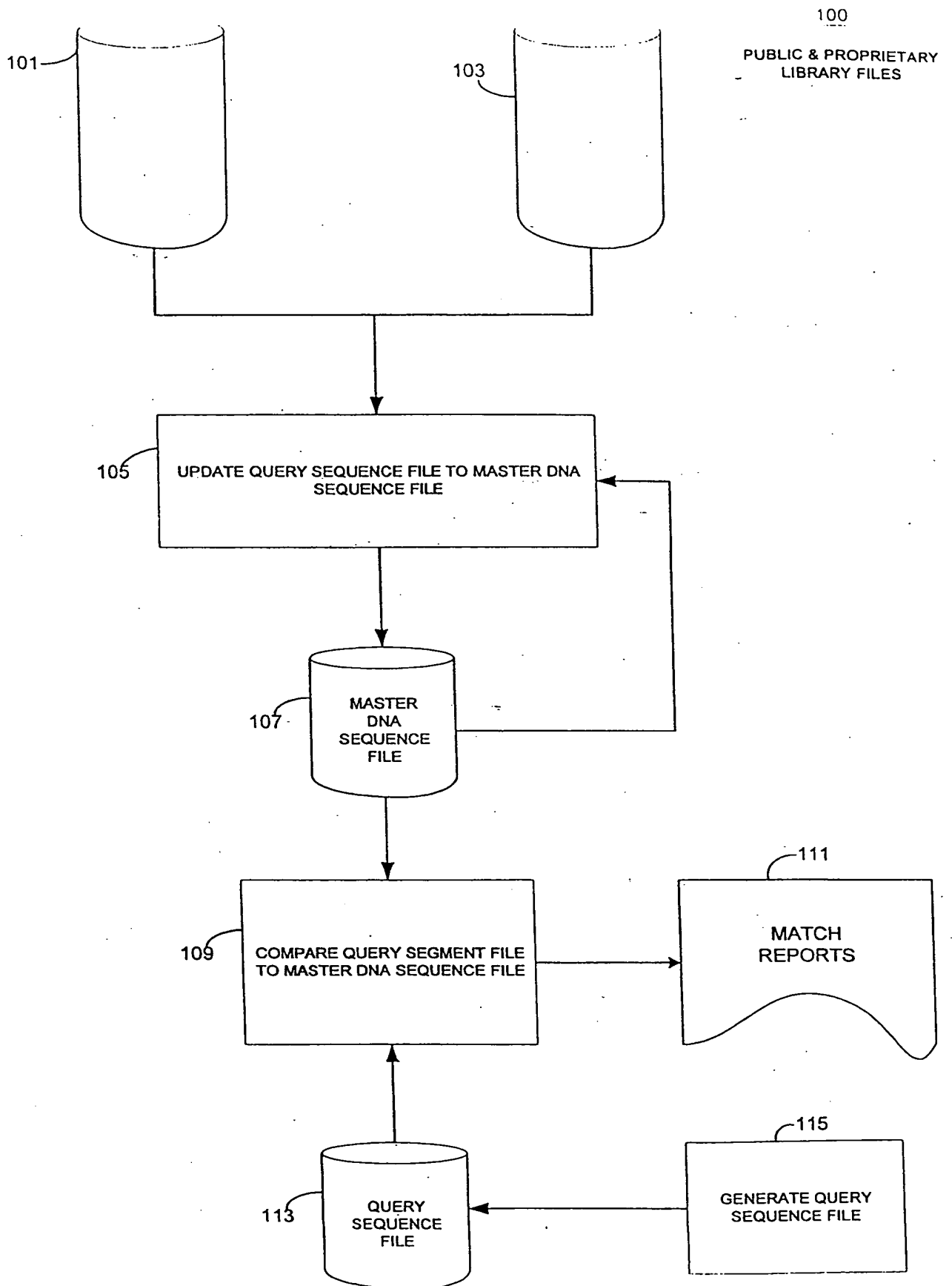
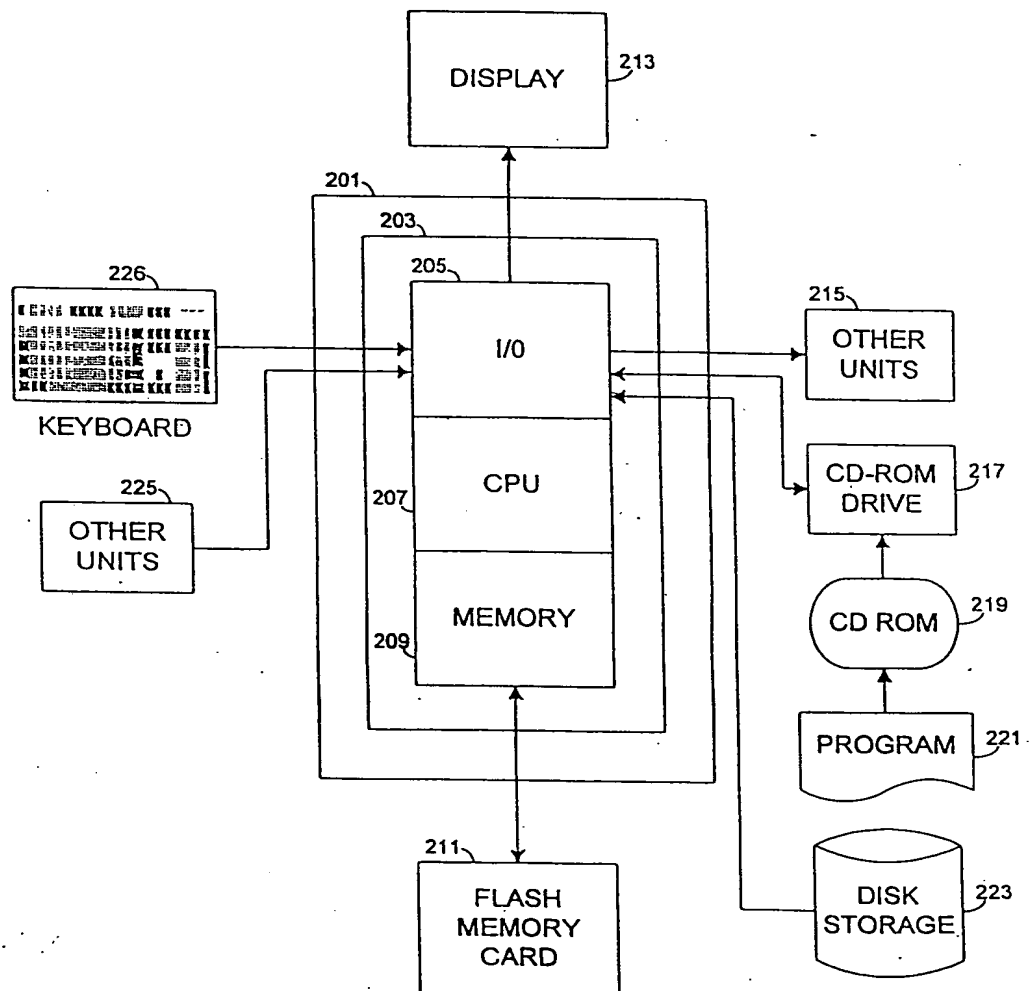


FIGURE 1



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Figure 2
200 Typical General Purpose Computer/



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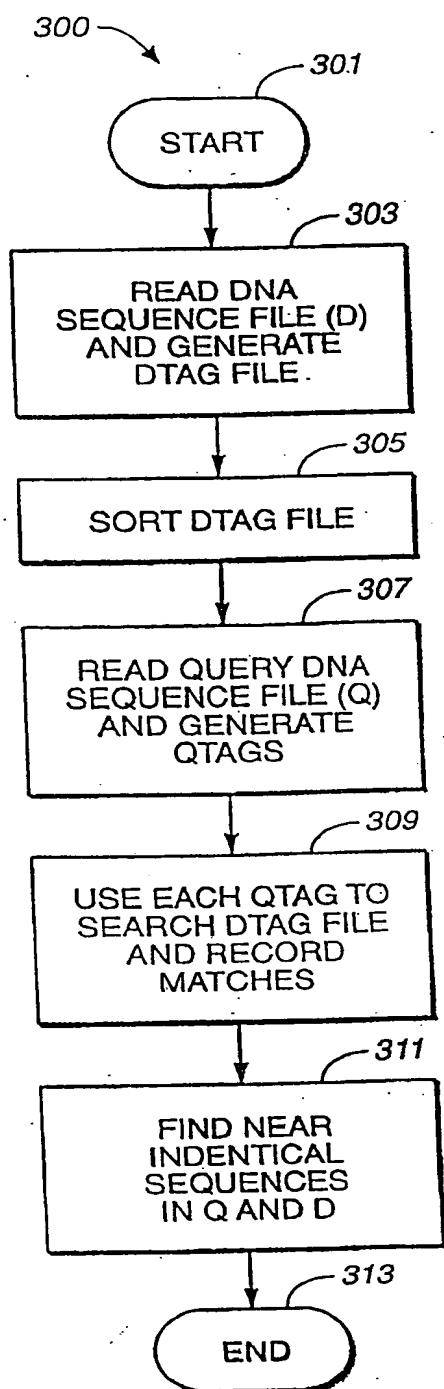


FIG. 3

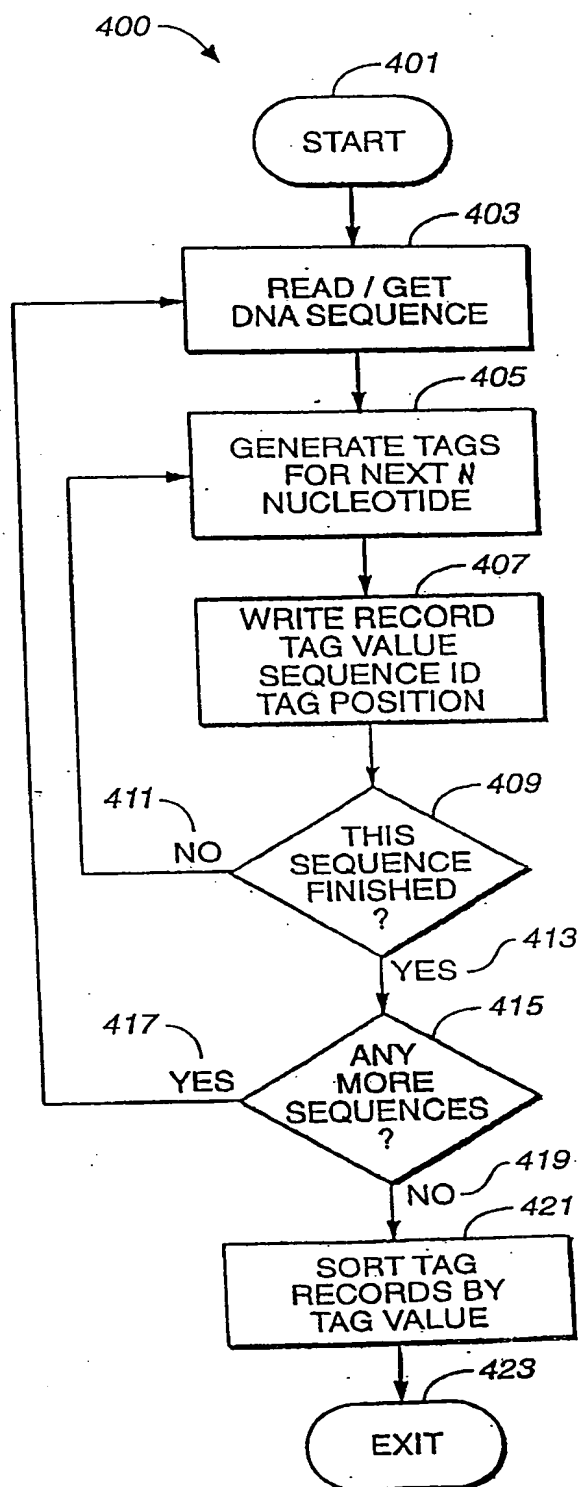


FIG. 4

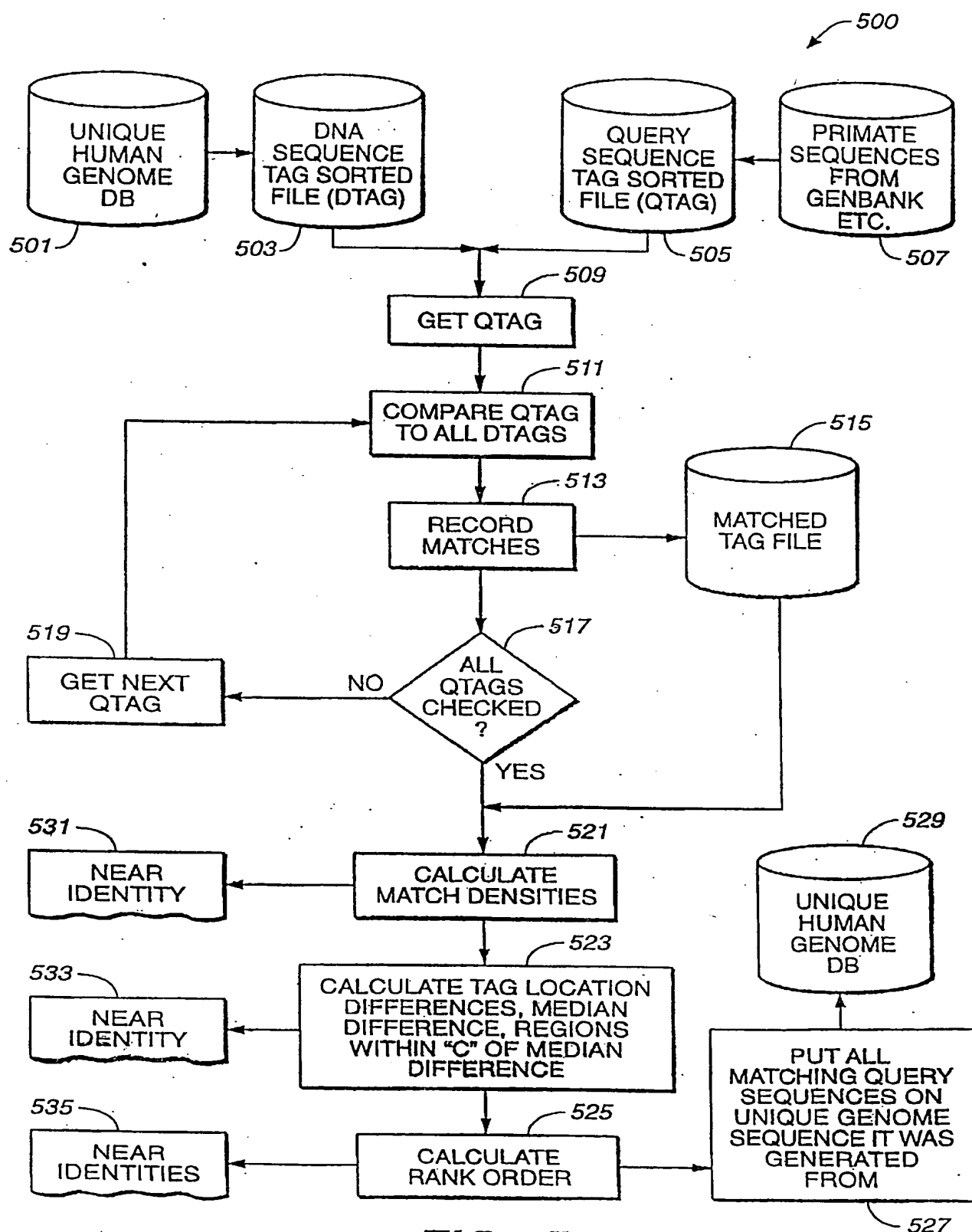


FIG. 5

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Fig. 6A.

swiss-prot like format:

```

601~ID      Z0; 753000 NA.
607~AC      Z0; ~609
611~DR      /vols/pdata/na/genomic/GEN_HUMAN.NDB; AC003656;
753000 0 753000      Z0 753000 0 753000      249 1.00
0.00 3847 933110467
613~DR      /vols/pdata/na/genomic/GEN_HUMAN.NDB; AQ474914;
625~350 1 289~ Z0 753000 557888 558176 9 -1.00 0.00 262~635
636~933110467~621~627~623~629~631~633
DR      /vols/pdata/na/genomic/GEN_HUMAN.NDB; AQ484430;
346 6 299      Z0 753000 265056 265344 5 -1.00 1.00 262
933110467
DR      /vols/pdata/na/genomic/GEN_HUMAN.NDB; G34630; 500
41 457      Z0 753000 660416 660832 14 -1.00 0.00 262
933110467
DR      /vols/pdata/na/genomic/GEN_HUMAN.NDB; AQ197006;
551 41 489 Z0 753000 323936 324384 15 -1.00 0.00 262
933110467

```

```

DR    /vols/pdata/na/genomic/GEN_HUMAN.NDB; G34621; 480
2 418    Z0 753000 -286656 -286240      14 -1.00 0.00
390 933110467

DR    /vols/pdata/na/genomic/GEN_HUMAN.NDB; G34622; 480
6 422    Z0 753000 276448 276864 14 -1.00 0.00 262
933110467

DR    /vols/pdata/na/genomic/GEN_HUMAN.NDB; G34623; 480
3 419    Z0 753000 -409472 -409056      14 -1.00 0.00
390 933110467

DR    /vols/pdata/na/genomic/GEN_HUMAN.NDB; G34625; 480
28 444    Z0 753000 16448 16864 14 -1.00 0.00 2310
933110467

DR    /vols/pdata/na/genomic/GEN_HUMAN.NDB; G34628; 480
12 429    Z0 753000 491296 491712 12 -1.00 0.30 262
933110467

DR    /vols/pdata/na/genomic/GEN_HUMAN.NDB; AQ530866;
629 17 593 Z0 753000 379104 379680 12 -1.00 0.00 262
933110467

```

Fig. 6B.

```

DR    /vols/pdata/na/genomic/GEN_HUMAN.NDB; AQ284594;
656 11 587 Z0 753000 368416 368992 18 -1.00 0.00 262
933110467
DR    /vols/pdata/na/genomic/GEN_HUMAN.NDB; AQ055000;
637 26 569 Z0 753000 675232 675776 17 -1.00 0.15 262
933110467
DR    /vols/pdata/na/genomic/GEN_HUMAN.NDB; G34769; 213
8 168      Z0 753000 -136224 -136064      6 -1.00 0.00
390 933110467
DR    /vols/pdata/na/genomic/GEN_HUMAN.NDB; G20808; 213
8 168      Z0 753000 -136224 -136064      6 -1.00 0.00
390 933110467
DR    /vols/pdata/na/genomic/GEN_HUMAN.NDB; AQ582860;
523 27 443 Z0 753000 -370656 -370240      14 -1.00
0.00 390 933110467
DR    /vols/pdata/na/genomic/GEN_HUMAN.NDB; HSMC12B05;
214 16 176      Z0 753000 -216640 -216480      6 -
1.00 0.00 390 933110467

```

Fig. 6C.

```

DR    /vols/pdata/na/genomic/GEN_HUMAN.NDB; G37258; 389
20 340    Z0 753000 -169280 -168960    11 -1.00 0.00
390 933110467
DR    /vols/pdata/na/genomic/GEN_HUMAN.NDB; B69654; 582
43 491    Z0 753000 226048 226496 13 -1.00 0.00 262
933110467
DR
/home/disc/holloway/software/genomic_uniq/data/gen_072
9.fasta; AQ746139; 841 59 731    Z0 753000 -215936
-215264    15 -1.00 0.00 390 933286163DR
/home/disc/holloway/software/genomic_uniq/data/gen_072
9.fasta; AQ729823; 445 42 395    Z0 753000 104448
104800 10 -1.00 0.38 262 933286163

```

Fig. 6D.

637~SQ SEQUENCE length 753000 NA;
639~agcgtgtgtcagtcggaaccccgagataagctatcacgtaatcgccaagtgtcgttaaattcaccata
gttcacattttaataaccacgtatcatgtataaattaaacattggggccctccactgaggtacgtgtgta
gcgcttagtgggcgacacgcgtgggcgcaagcaggaaaagtttaaaaagaaggccgcccttagtgtcacc
cgacaaaagccctgacaaaaccccgaaattgcactcgcaattcacggcatacggtcatttagcgggtct
atcacgtagtggatatattgtaatccatcgatacggcgtttggtttgtcttacggttagtaagggcggtg
cggacgatattaggtgcaaagtcctcaagcatcacaccagaaaagttaccaaggttgtcgcgtgaaaagt
taccaagcctcacacgtgaaaagttaccaatcctgtcgcgtgaaaagttaccaagcatcacacgtgaaaa
gttaccaatcatgtcgcgtgaaaagttaccaagcatcacacgtgaaaagttaccaatcatgtcgcgtgaa
aagttaccaagcatcacacgtgaaaagttaccaatcatgtcgcgtgaaaagttaccaagcaactcgcgtg
aaaagttaccaagcatcattacactttctcttacaaagaatttaagaaaaatcgttccaccccgccatcca
tcattctcaaacctcgctttgccccgggcactcgtattatgcgggtggcgggtcgcggcacaagagagc
...

Fig. 6E.

800

801	
803	TAG: HASH (ACCTG...TTAC)
805	SEQ. ID: 141137
	POSTION: 49531
	TAG: HASH (GGTAT...TAGC)
	SEQ. ID: 171
	POSTION: 192713
	TAG: HASH (TGCTC...GAGG)
	SEQ. ID: 620314
	POSTION: 318

FIG. 7

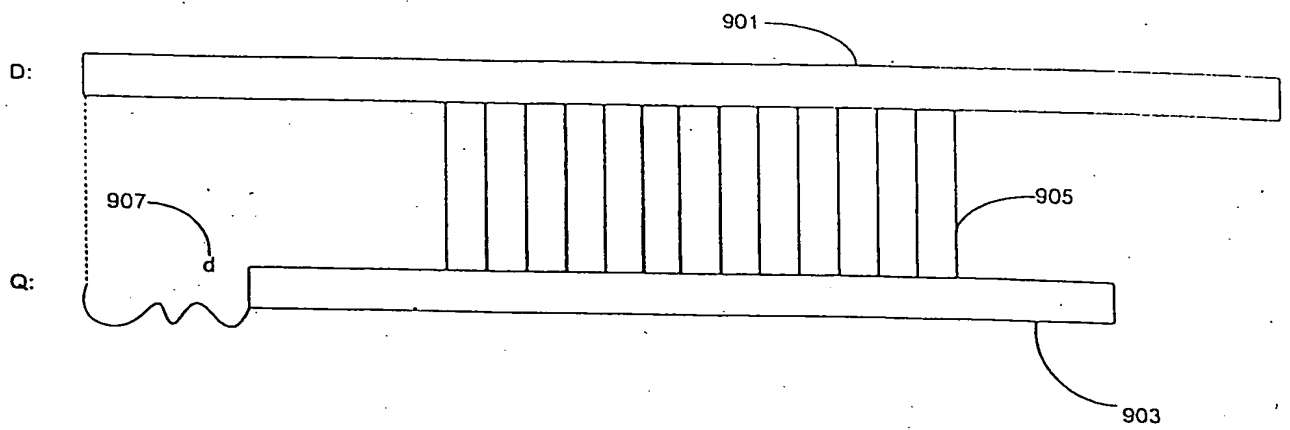


FIGURE 8A

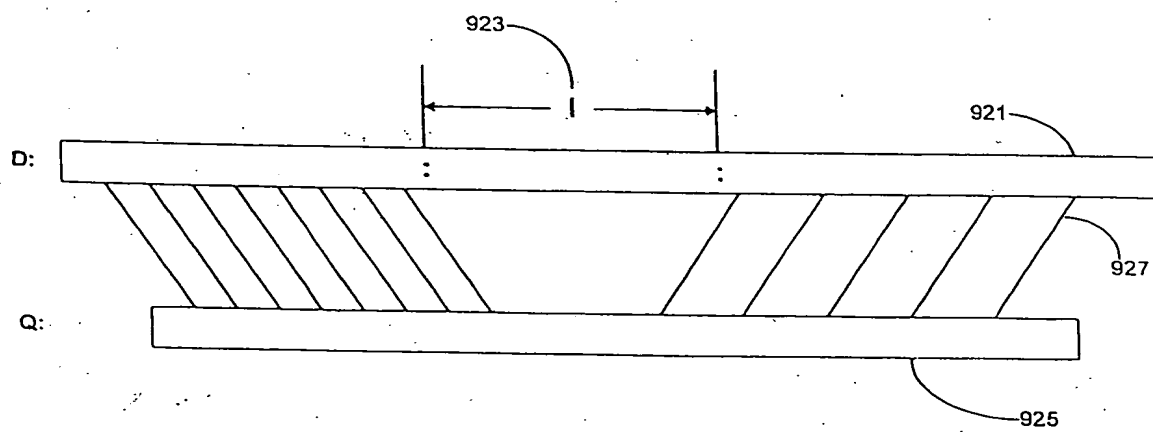


FIGURE 8B

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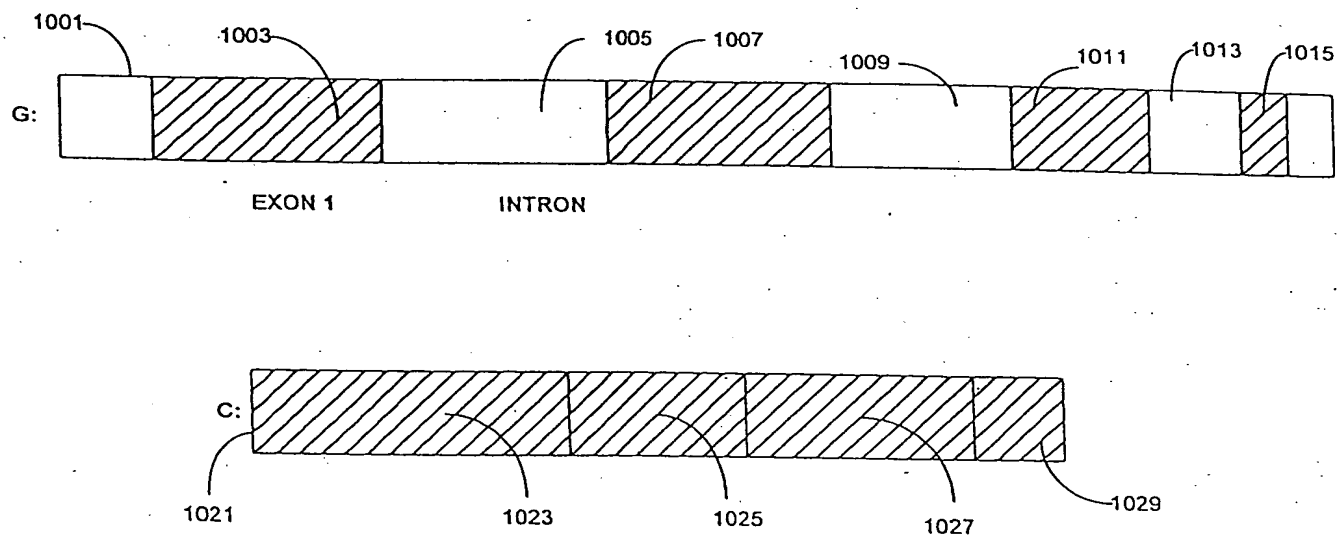


FIGURE 9

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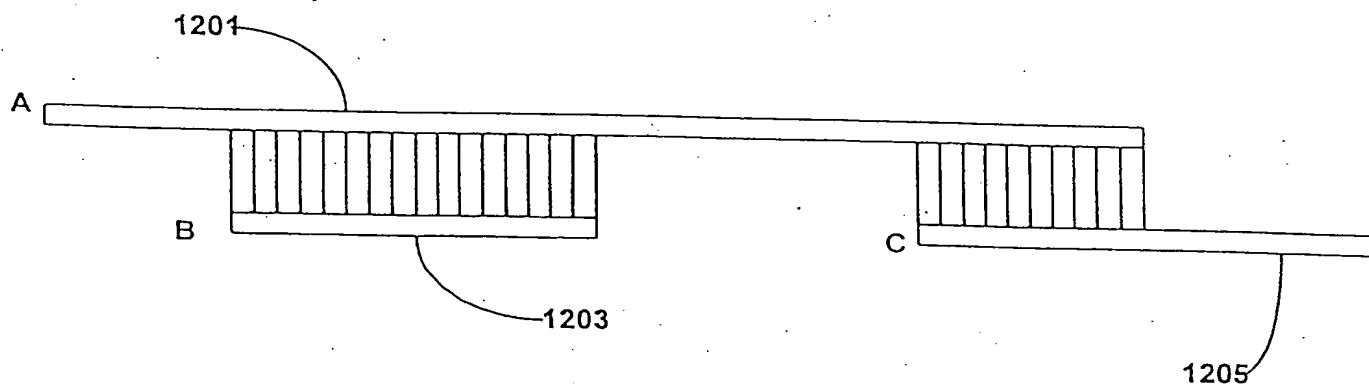


FIG. 10